



Docket No.: 005917 USA/FET/FET

PATENT/OFFICIAL

3723

JFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re Application of

Young Joseph PAIK

Serial No. 09/998,372

: Group Art Unit: 3723

Filed: November 30, 2001

: Examiner: Robert A. Rose

For: CONTROL OF CHEMICAL MECHANICAL POLISHING PAD CONDITIONER  
DIRECTIONAL VELOCITY TO IMPROVE PAD LIFE

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Honorable Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This submission does not constitute a representation that a search has been made or that no better art exists and does not constitute an admission or representation that any of the listed documents is material or constitutes prior art. If it should be determined that any of the listed documents does not constitute prior art under the United States law, Applicants reserve the right

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to present to the Office the relevant facts and law regarding the appropriate status of such document.

Please charge the fee of \$180.00 to Deposit Account No. 08-0219. The Commissioner is hereby authorized to charge any additional fees that may be required for this submission, or credit any overpayment to deposit account no. 08-0219.

Respectfully submitted,

Wilmer Cutler Pickering Hale and Dorr LLP



Scott M. Alter  
Registration No. 32,879

The Willard Office Building  
1455 Pennsylvania Avenue, NW  
Washington, DC 20004  
TEL (202) 942-8428 SMA/lrm  
FAX (202) 942-8484  
Date: 10/6/04

**INFORMATION DISCLOSURE  
CITATION IN AN  
APPLICATION**

(PTO-1449)



ATTY. DOCKET NO.  
005917 USA/FET/FET

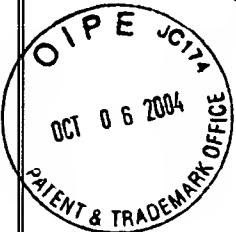
SERIAL NO.  
09/998,372

**APPLICANT**

**FILING DATE**  
November 30, 2001

## **U.S. PATENT DOCUMENTS**

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<p style="text-align: center;"><b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)</b></p> <p style="text-align: right; margin-top: -20px;">    <b>OCT 06 2004</b>  <b>PATENT &amp; TRADEMARK OFFICE</b> </p>		<p>ATTY. DOCKET NO. 005917 USA/FET/FET</p> <p>SERIAL NO. 09/998,372</p>
<p>APPLICANT Young Joseph PAIK</p>		
<p>FILING DATE November 30, 2001</p>		<p>GROUP 3723</p>
<p><b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b></p>		
<p>IslamRaja, M. M., C. Chang, J. P. McVittie, M. A. Cappelli, and K. C. Saraswat. May/June 1993. "Two Precursor Model for Low-Pressure Chemical Vapor Deposition of Silicon Dioxide from Tetraethylorthosilicate." <i>J. Vac. Sci. Technol. B</i>, Vol. 11, No. 3, pp. 720-726.</p>		
<p>Kim, Eui Jung and William N. Gill. July 1994. "Analytical Model for Chemical Vapor Deposition of SiO<sub>2</sub> Films Using Tetraethoxysilane and Ozone" (Abstract). <i>Journal of Crystal Growth</i>, Vol. 140, Issues 3-4, pp. 315-326.</p>		
<p>Guo, R.S, A. Chen, C.L. Tseng, I.K. Fong, A. Yang, C.L. Lee, C.H. Wu, S. Lin, S.J. Huang, Y.C. Lee, S.G. Chang, and M.Y. Lee. June 16-17, 1998. "A Real-Time Equipment Monitoring and Fault Detection System." <i>Semiconductor Manufacturing Technology Workshop</i>, pp. 111-121.</p>		
<p>Lantz, Mikkel. 1999. "Equipment and APC Integration at AMD with Workstream." <i>IEEE</i>, pp. 325-327.</p>		
<p>July 15, 2004. Office Action for U.S. Serial No. 10/172,977, filed June 18, 2002.</p>		
<p>August 2, 2004. Office Action for U.S. Serial No. 10/174,377, filed June 18, 2002.</p>		
<p>August 9, 2004. Written Opinion for PCT Serial No. PCT/US02/19063.</p>		
<p>August 18, 2004. International Preliminary Examination Report for PCT Serial No. PCT/US02/19116.</p>		
<p>August 24, 2004. Office Action for U.S. Serial No. 10/135,405, filed May 1, 2002.</p>		
<p>August 25, 2004. Office Action for U.S. Serial No. 09/998,384, filed November 30, 2001.</p>		
<p>September 9, 2004. Written Opinion for PCT Serial No. PCT/US02/21942.</p>		
<p>September 16, 2004. International Preliminary Examination Report for PCT Serial No. PCT/US02/24859.</p>		
<p><b>EXAMINER</b></p>		<p><b>DATE CONSIDERED</b></p>

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.